



English



DR 440 i

Internet Radio & Media Player

Setup, safety and care information.

Please be aware of some basic information before you start ...

- We recommend setting up the DR440i at a minimum distance of 10cm to walls or other solid objects behind it for optimal sound and realistic bass response.
- Please place the device on an even, dry surface to prevent fire and electrical shock hazards as well as possible damage to the player itself.
- Be sure that the voltage is correct before connecting the power supply. (Details are printed on the power supply itself.)
- If you are not going to use the device for an extended period, disconnect it from the power supply. To avoid short circuits, never pull on the cable itself.

The warranty does not cover deliberate damage to the device.

From opening the package to installation

Start by making sure that the contents of the package are complete. The DR440i package should contain the following items:

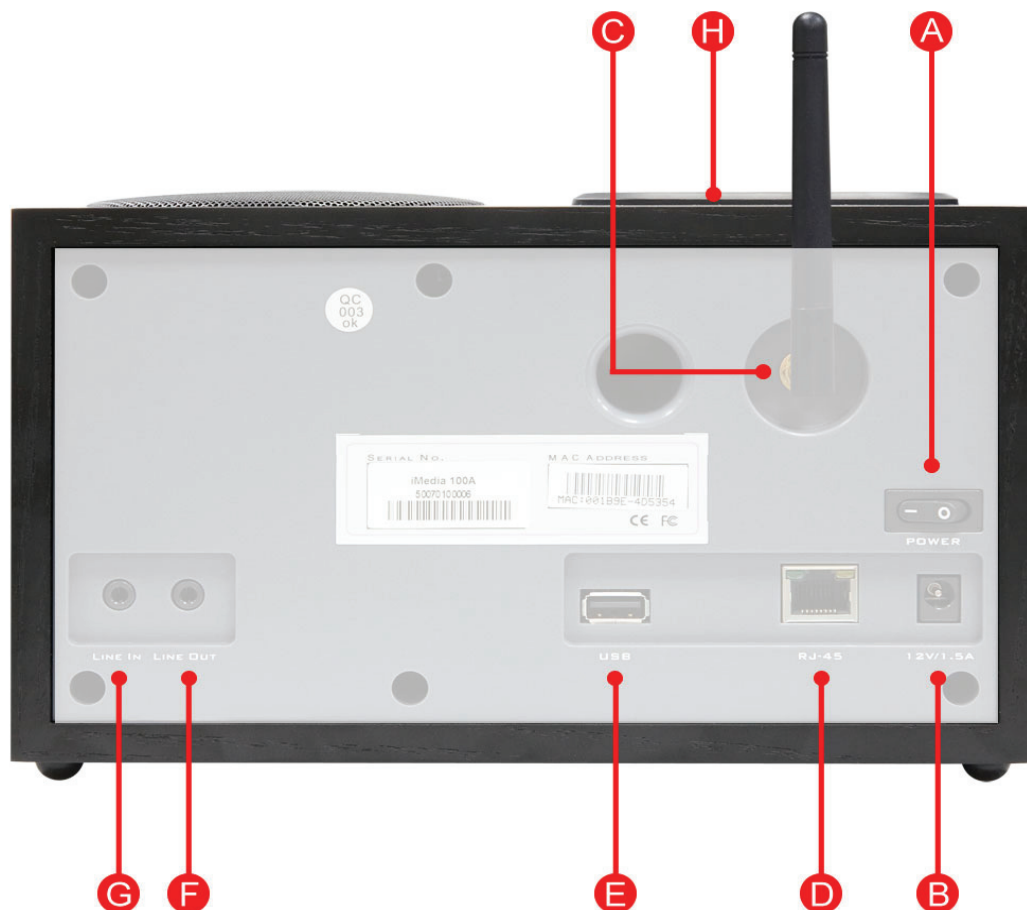
- The DR440i as a receiver,
- A device-specific power supply,
- An infrared remote control including batteries,
- A quick setup guide
- The CD manual

Before put your DR440i into operation, please check the configuration of your system and network to ensure that they correspond to the minimum requirements listed on the package. We cannot guarantee the correct operation if the environment does not meet these requirements.

1- The connectors of your Albrecht DR440i

1.1 Overview

After taking the DR440i out of its packaging material, take a moment to get to know its connectors and controls.



English

- | | |
|-------------------------------|-------------|
| A On/Off switch | F Line out |
| B Connection for power supply | G Line In |
| C WLAN antenna connector | H iPod dock |
| D Network port (RJ-45) | |
| E USB connector | |

1.2 The power adapter socket

Plug in the supplied power adapter in here.



1.3 WLAN antenna connector

If you have access to a wireless LAN (WLAN), screw the included antenna onto this connector.

If possible, please ensure that the antenna is set to a vertical position to ensure the best possible reception.



1.4 The network port

Use this port if you would like to integrate the DR440i into your network via a wired connection. To distinguish it from the wireless or WLAN connection, it is frequently referred to as a LAN or Ethernet port. The port supports data rates of 10 and 100 Mbps. To connect the DR440i to your router in this manner, use a standard network cable (twisted pair with RJ45 plugs). To connect it "directly" to your desktop PC or laptop, either use a network switch or a hub. To connect the DR440i without any intermediate devices, use a crossover cable instead of a standard network cable.

Two LEDs near the port show the status of the **link**: (**orange**) indicates a live connection to the juncture / node; network **traffic** is signaled by a (**green**) LED (usually flickering).



1.5 The USB port

You can use this USB master port for connecting USB mass storage media, like external hard disks. The DR440i supports USB 1.x and USB2.0 storage devices. Please note that not all USB devices can be used on this port. Keyboards and mice are not supported, nor are external MP3 storage devices with additional functions (USB hub, data encryption, etc.). Some MP3 players encrypt the files stored on them and thus unfortunately also cannot be read.

While it is not very common or well-known yet, USB devices are sometimes classified as OTG, or On The Go. These devices are capable of exchanging data with other OTG devices.

Practical experience has shown, however, that any external storage device that supports read and write operations like a normal hard drive under Windows can be used. The first time they are connected to a Windows PC, these devices appear in the Device Manager with names such as USB Mass Storage Device or Pendrive. FAT16 (sometimes referred to simply as FAT) and FAT32 file systems are supported. FAT12, NTFS, the Macintosh file system and others will not work. For more information on playing music files on external storage devices, please see the chapter about Playback from a USB storage device.



1.6 The analog audio output & input

The line out connector on the back of the device is intended to be connected to the Line input of a HiFi amplifier or a pair of active speakers (speakers with built-in amplifiers). Before making the audio connection to your amplifier, please make sure the volume is at a suitable level to prevent damage to your hardware or your ears. And the line in connector can connect to your MP3 or CD player...etc, use DR440i as a speaker.



1.7 The iPod port

For proud iPod owners, there's a recess on the top of the device with an iPod docking station. To use it, remove the protective cover. This port allows you to play back and charge your iPod quickly and easily. For playback, the iPod is controlled directly from the DR440i main menu—of course, you can make a selection and operate it by remote control as well.



You have to put an iPod insert in the recess around the docking station before you can use it—it should be included with any iPod when you buy it. The insert is essentially a kind of bracket that retains and supports the iPod and ensures that it's positioned correctly in the recess. Each iPod comes with a different insert, which is adapted to the shape of the housing—a couple of different inserts are pictured on the left.

Plug the insert in the recess provided, and then just mount your iPod on the seating. If the DR440i is already switched on, it appears in the main menu as soon as it is seated correctly, and it's ready to play back. If nothing is playing on the iPod at the time, the DR440i will charge it automatically—so you don't need any other chargers, and you can use your DR440i as a safe place to keep your iPod so that it's always at the ready.

2 - The remote control and the buttons on the Albrecht DR440i



Here it is—your infrared calorie saver. Most of the controls will probably be similar to other products from the world of consumer electronics. A selection of controls corresponding to those on the remote control are located on the front panel of the DR440i, shown on the right.



2.1 The most important buttons for fast orientation

Here is an overview of the most important and frequently-used “keystrokes”:



Navigation buttons: Use these buttons to control the highlight bar in the DR440i menu.

Press and hold the navigation buttons when scrolling through long lists to enlarge the navigation increments.

Next / OK and Back / Cancel: Use the right arrow button to confirm and the left arrow button for corrections and to cancel actions.

Play: Use this button to play and pause individual radio stations. Playback will start after a short delay while data is being received.



Skip Forward & Skip Back / Delete:

Skip to the previous or next track on the playlist.

Skip back also backspaces one character when entering text.



System: For configuration, available at all times by pressing this button.

2.2 Additional buttons and their functions



Power: On/Off, Switches the DR440i on—and off, if need be!



Home button: Returns you to the home menu for all playback options.



Favorites: Opens my Favorites list.



Info: This button displays the playback screen with information on the current program (if nothing is playing, nothing is displayed).



Search function: Press “0” in playlists to quickly find entries. The top line of the display will show an input field: ; see next page.



Creating and deleting favorites: Press the check mark at any time while listening to automatically put the current station onto the Favorites list. To access the Favorites, press the Favorites button (see above) or go through the main menu. If you get tired of a Favorite, select it in the Favorites menu and press the un-check mark to get rid of it!

Repeat:



Plays the contents of a list in repeats a single item. Press Repeat twice and a little “All” will appear in the display, indicating that everything on the list will be repeated once the last item has been reached.



Save Preset button: Use the Save Preset button to assign titles or stations to the preset number buttons for quick access.

TIP: Press and hold buttons 1-5 to assign the current station to them.




Stop: Stops all playback.



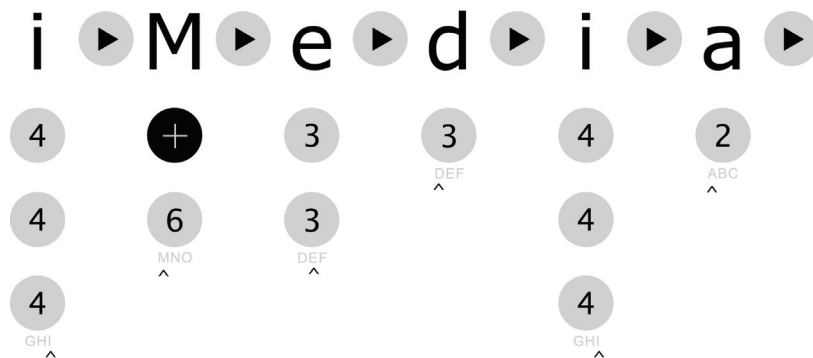
Volume up and down/change case when entering text (“+” button).



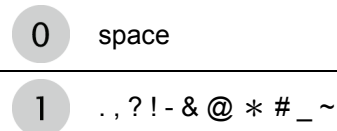
Number buttons: Use the number buttons together with the Save Preset button  to store and recall radio stations. The buttons are also labeled with letters for text entries as described in the following section on entering letters.

2.3 Entering letters

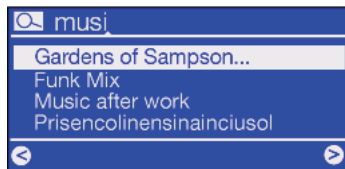
Letters can be entered into the DR440i via the numerical keypad in the same way you would with a cell phone keypad when writing an SMS. This can be useful when configuring the device or changing the device's name. Here's how text entry works, using the word "iMedia" as an example.



Pressing a button several times in a row switches through the row of available letters. Once you have finished entering your text, press the right arrow button once more to confirm your entry. If you have made a typo, press ◀ to delete the character over the cursor. You can also use the navigation buttons to move the cursor to the left and right through text you have already entered. In addition, you can enter the following special characters via the 0 and 1 buttons:



2.4 SMS quick-search in lists



We have integrated a quick-search function that you will probably be familiar with from cell phones to save your fingers and your nerves when navigating lists with many entries.

When in a list, press the zero (0) button and a text entry field will appear at the top. Now enter the beginning of the item you want to find using the numerical pad of the remote control as shown above. Confirm your entries with the right arrow (or cancel with the left arrow).

3 - The first time: switching on the Albrecht DR440i

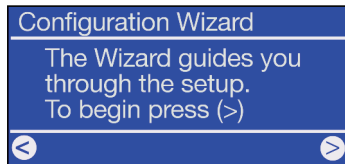
To turn on your DR440i, press the ON/OFF button on the remote control or on the DR440i itself.

If you have just connected the power adapter and are now trying to turn the device on, don't get nervous if nothing happens at first. It takes around 30 seconds before the DR440i can be switched on after it has been connected for the first time to an AC power source.

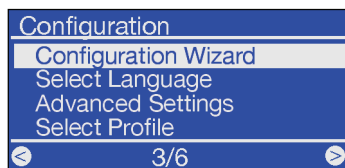
When switching the device on for the first time, it will display a language selection dialog. The selection applies to the menu and operating system messages of the DR440i; not to the content it access (e.g. on the Internet).


3.1 The network configuration wizard

When switching it on for the first time, the DR440i does not yet have any information about the possible network environments from which it will be getting its content. After switching it on for the first time and selecting a language, the Configuration Wizard will be displayed automatically.



As in other DR440i menu, press the right arrow button for “Next/OK” and the left arrow button for “Back/Cancel”.



If you are not satisfied with the way things are working after running the Wizard, you can run it again by pressing the  button to open the configuration menu and selecting the Configuration Wizard menu item.

3.2 Wired or wireless radio?

The DR440i is designed to play files located on a network, either the Internet or your home network. Two options are available for integrating the device into a network:

Via a wired connection
(Ethernet, LAN)



Use a standard network cable to connect the device to a router, switch or hub—to connect it to your PC directly, use a crossover cable. More information in the detailed manual (see page 4).

Via a wireless connection



(WLAN, WiFi) A wireless connection uses a radio link to an access point, router or computer.

If both are available, the motto applies : faster is better. To ensure reliable playback without interruptions, the DR440i automatically selects the faster connection when powering up. This means: if a network cable is plugged in and a 'link' is available (orange LED lit), the DR440i will always favor it over the wireless link.

If you would like to switch from Ethernet to WLAN, switch your DR440i off, unplug the power adapter and the network cable, and hold it for a few seconds, reconnect the power adapter, and turn the DR440i on! If a profile for a WLAN connection is already available, it will be used automatically. Otherwise, the setup wizard for a new network connection will be launched, as you can see above.

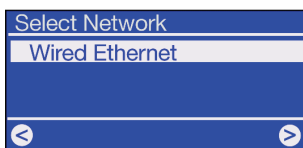
3.3 Before setup: network profiles

The DR440i lets you either create a single network profile (a collection of all of the values and settings necessary for a network connection)—this is the default setting, assuming you will use the DR440i in a single location or network—or you can switch to managing multiple profiles. You can also use the configuration menu on the device itself to administer profiles or to create and edit them using a wizard.

You can permanently store up to three network profiles—that way you don't have to enter a full set of parameters every time you move the DR440i to a different network.

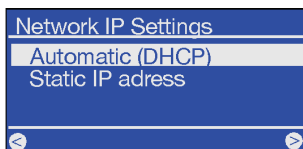
4 - The wired network integration

If an Ethernet cable of a functioning network is plugged in at the time the device is switched on, follow the steps below to set up the device:



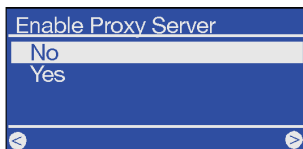
1) If a wired connection is available, then “Wired Ethernet” is the correct choice. (Wireless networks may also appear here if the antenna is installed.)

Confirm with:




2) At this point, select the method by which the DR440i obtains its **IP address** in the network. Every device in the network must have such an identifier to ensure that the IP packets arrive in the right place.

The address is normally generated automatically via the **DHCP protocol**. In rare cases, however, static IP addresses are assigned—for more information, have a word with your network administrator.

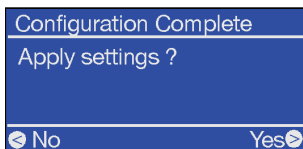


3) At this point you will be asked whether your network uses a so-called **proxy server**.

Most home networks do not. If you are not sure, and cannot be bothered to find out for certain, just select “No”—and hope for the best! If the DR440i will NOT access Internet radio stations after setup is complete (but has no problems playing the MP3 collection within your home network after installing the included software), you may have to

correct the configuration at this point. Press the  button to repeat the Configuration Wizard at any time.

For more information on existing proxy servers, turn to the next page.



4) Now simply select “Apply Settings”.

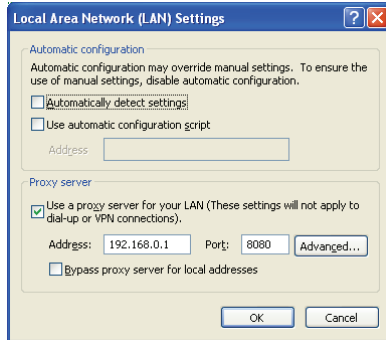
The DR440i will restart automatically, and...



5) ...after a successful restart (and installing the software for wireless access to the music on your hard drive), you will be able to access your music collection across the network—and connect to thousands of Internet radio stations worldwide!

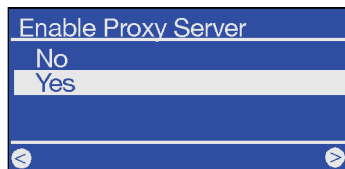
If you are using a proxy server

For users of proxy servers, the procedure is different as of Item 3. Proxy servers are common in companies and other major network systems. Check the Internet settings of the Internet Explorer on a computer connected to the same network to see whether your network is using a proxy server.

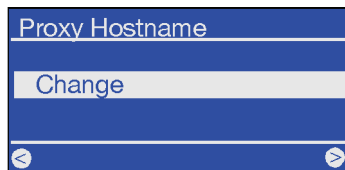


Open the web browser (e.g. the Internet Explorer), select “Internet Options” from the “Tools” menu and select the “Connections” tab. On the bottom third of the tab, you’ll find the “LAN Settings...” button. Press the button to open the dialog box shown here.

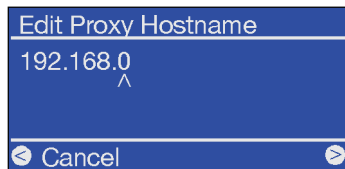
If a proxy server has been activated there, use the same settings for the DR440i.



1-3) To set up the DR440i to work with a proxy server, follow **steps 1 & 2 as described above...**and in step 3 (Enable Proxy Server Yes/No), select YES!



4) Then select “Change” ...

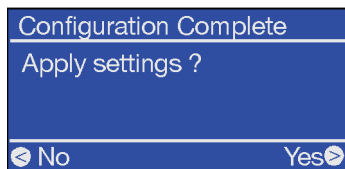


5) ... and enter the name (“proxy_internet”) or the IP address. Use the following buttons: number buttons 1-9, 1 for the dots, Left/Right to move the cursor, and “Skip Back” to delete incorrectly entered characters.

Confirm ...



6) ... enter the correct port—8080 is very common—and the proxy is set up. Again, if you have any doubts about the parameters, please check with your network admin—or with the method described above.



7) Now simply select “Apply Settings”, and ...



8) ...after a successful restart (and installing the software for wireless access to the music on your hard drive), you will be able to access your music collection across the network—and connect to thousands of Internet radio stations worldwide!

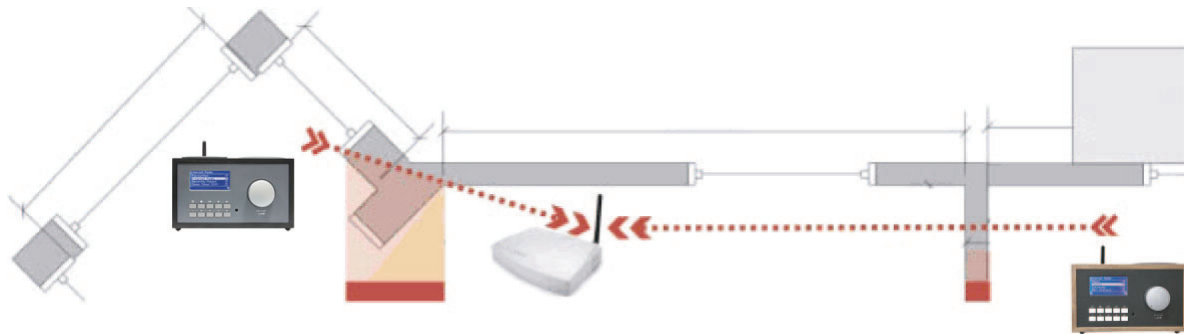
Congratulations!!

5 - The wireless network integration

Following is the information to integrate your DR440i wirelessly via a router as an alternative to the wired network connection.

5.1 The location is important

A wireless signal always travels along a direct point-to-point, i.e. antenna-to-antenna, path. The quality of a wireless connection thus stands or falls with the obstacles in the line of sight from the DR440i to the opposite network device. Setting the device up in some locations may therefore result in a poorer signal, even if the actual distance is shorter. For example, if a large amount of masonry or sources of interference are located between the devices, the signal quality will decrease despite the short distance.



Needless to say, the more powerful the transmitter performance of your router, the greater the range will be.

Note: Use the display of your DR440i (P.18) to determine the signal strength at selected locations.

5.2 Connecting to a router

Access is realized here over one or more access points (AP). The WLAN access point is generally integrated into the broadband router of your Internet access line. While exact figures are not available, one can nevertheless safely assume that this is currently the most common way to use broadband Internet access and share it locally among several users. The DR440i is also the most fun to use this way, as you can receive radio from the Internet or music from other computers in your home network without necessarily having your own computer running at the time.



Access point (AP)

DR440i

Using the DR440i with a router generally does not require any configuration work on the router itself. However, special settings may be advisable for security reasons.

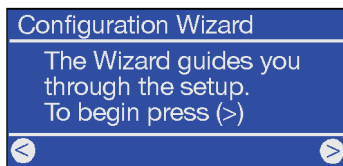
As the media have frequently reported, it's not very advisable to use a router exclusively with its default settings, as that leaves the network wide open for intrusion or misuse of the Internet con-

nection. The advantage of using the router with its default settings is naturally the simplicity with which devices accessing the router can be configured.

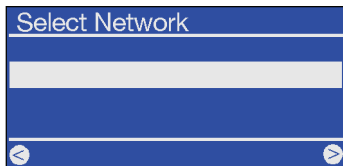
In the following, we will describe how to integrate your DR440i in your wireless network.

5.3 Setting up the wireless connection on the DR440i

During the course of the configuration, confirm your entries by pressing the right navigation button on the remote control or on the device, or press the left button to cancel or correct your entries. Use the same buttons to move the cursor in data entry situations. You will also need the number buttons 1-9, the "1" button (pressed repeatedly) for the dots, "Left/Right" to move the cursor, "+" to change case, and "Skip Back" to delete incorrectly entered characters.



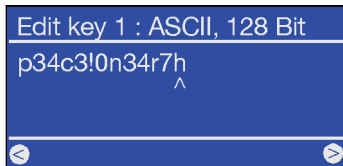
While still in its factory default state, the DR440i will start the configuration wizard to complete the integration in your network.



The names of the detectable access points (routers) are shown here.

If you know of a name that should be on the list but is missing, start by checking the distance to the router or computer. Go ahead and place the DR440i right next to it to exclude distance as a possible source of errors.

Also, SSID broadcasting may be disabled on the router, in which case it will not be visible on the list. If that's the case, select "Edit Network SSID" and enter the name manually.



When selecting a network protected by **WEP encryption**, you will be prompted to enter the appropriate key. The person who sets up your network should know this key. The information in parentheses in the top line does not appear until the number of characters you have entered corresponds to a valid key.

If you are using **WPA encryption** in your network, the screen will be the same except for the title bar; in that case you can use a string of characters containing at least eight letters.

Tip: While a technically skilled person with the proper equipment can crack a **WEP** encryption, WPA is clearly more secure than WEP. Unfortunately, older wireless network equipment frequently does not support it.

From here on, the configuration steps are the same as those described in chapter 4 about the wired network configuration. Please continue at that point!

6 - The configuration menu of your DR440i



Press the button of the remote control to open the configuration menu of the device. There you will find the following entries:

| Configuration menu | |
|----------------------|--|
| Device status | View the current parameters such as the device's current IP address, Firmware version. |
| Configuration Wizard | Start the network configuration wizard here. |
| Select Language | Select a language for the menus here. |
| Firmware Update | Update the firmware here (see below). |
| Advance Settings | To the Settings submenu (see below). |
| Configure Date/Time | You can set up the time zone and time format here. |

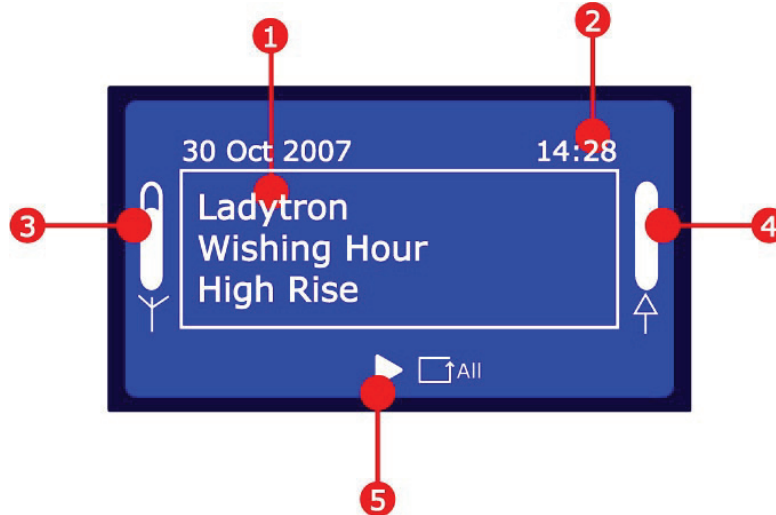
| Firmware Update | |
|------------------|--|
| Automatic Update | If this option is enabled, the list will be updated automatically whenever a new one is available. |
| Manual Update | Launch a manual update here. |


| Advance Settings | |
|--------------------|--|
| Select Profile | You can choose the profile that you had made before. |
| Profile management | With the profile management activated, another profile is selected automatically any time the connection is lost. This also lets you switch locations easily without setting up the same profile each time. Enable or disable profile management here. Select the profile you intend to use under "Profile Selection". |
| Key management | If more than one key has been stored, the key management will attempt to use them to maintain contact to the network access point. |
| Edit Device name | Assign a name to the device here. |
| LCD Brightness | Change the LCD brightness here. |

7 - Playback options

7.1 The DR440i display

Before we cover the playback options, let's have a look at the playback window.



1. Information on the current track or station. Title information on the current MP3/WMA file or additional information on the current radio program is displayed here.
2. Indicate the local time now.
3. The **signal strength** of the wireless network integration is indicated here—a peaked bar indicates excellent strength. It is also helpful in finding the best position for the device.
4. The playback **buffer status** can be seen here. An emptying bar indicates a poor network connection, and that not enough data is being transferred to ensure continuous playback. Interruptions may occur as a result.
5.  The familiar repeat icon refers to the current title, or to the entire playlist when followed by "all".

In case you were wondering what the single and double notes in the DR440i menu means: a single note indicates that the entry is a single track (mp3, wma, etc.), while the double note identifies the entry as a playlist (e.g. m3u, pls).

7.2 Internet radio – a whole new world of radio!




In chapter 1, we already introduced the impressive Internet radio capabilities of your DR440i! The big advantage of the DR440i over the time-honored way of listening to Internet radio via your computer's web browser is that your DR440i can tap into the full variety of the Internet WITHOUT relying on your computer—by connecting directly to the router that provides your Internet access.



Caution—transfer volume!

Please keep in mind that constantly listening to Internet radio stations will result in the transfer of an enormous data volume over the course of a month. Your contract with your Internet service provider may be subject to a volume limit. Exceeding this limit can result in massive extra charges. We therefore recommend using an Internet access plan without volume restrictions. On the other hand, the actual bandwidth used varies strongly from one station to the next. As you already know from MP3 files, the bit rate is decisive for sound quality—a higher bit rate results in better sound, but also in a greater data volume.

The RSDB – Radio Station Database

The list of radio stations stored in DR440i is provided and maintained by an exclusive **vTuner premium service**. The service ensures that you always have a fresh, reliable selection of stations despite the continuous changes in the Internet radio world. Depending on the settings you selected in the configuration menu, the DR440i either automatically contacts the vTuner for updates daily. Simply use the usual controls to navigate the presorted station list. If you find something you like, press the preset storage button  and a number button  to  to store the station and access it by pressing that number button in the future.

The procedure described below for expanding the list of available radio stations online is also used as a convenient way of editing the DR440i's Favorites list.

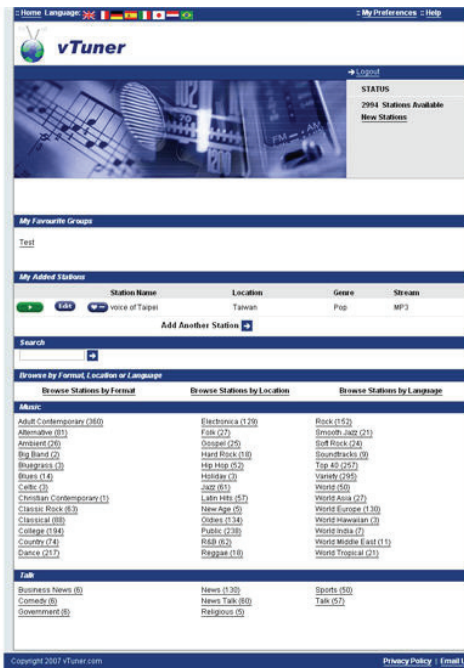
7.3 Managing favorites and own stations

One of the “premium” qualities of the vTuner subscription that comes with your DR440i is that you can customize its list by adding stations of your own to it via your web browser. Here's how:

Open your web browser and go to:

vTuner Premium Service: <http://www.myradio123.com>

Enter the MAC address of your DR440i in the field at the lower left of the page. You can find it on the bottom panel of the device, usually in a format such as **00-11-A5-7B-C5-70**. It's not necessary to enter the separator characters: **0011a57bc570**. The entry is not case-sensitive.

Click **Go**!

You should now be seeing something like this.

To add stations of your own and play them on your DR440i, register with **vTuner**.

Click the link at the top right, "Create Account Login". On the following page, enter your e-mail address and a password. If you do not want to receive consumer information, remove the check next to "Receive program updates and special offers", then click **Register** and you're done.

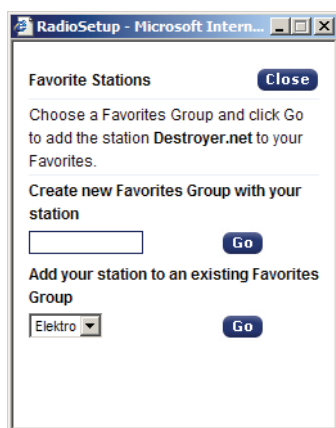


You can now add your favorite station by clicking **+** in "My Added Stations"—enter the name of the station, its web address (URL), its geographic origin (e.g. Germany) and its "format" or genre. Click "Go", and your new station will appear in the menu under "My Added Stations".

Please note that the DR440i cannot support every data format on the Internet—you may find that it does not support one or the other station. Please observe the notes toward the back of this manual—sometimes it's just a bit more difficult to get a radio stream up and running...

MP3 remains one of the most popular formats—not only for music files but also for Internet streams—and the wide range of stations using this format should be supported as a rule!

The web interface is also useful when you want to take your time and browse the vast number of stations (which are available for listening both here and on your DR440i) with greater convenience than you could with the remote control. When you find something you like, use this easy method to add the station to your Favorites online and on your DR440i:



You can, for example, sample a genre such as Electronica and a specific station (e.g. Destroyer.net) by clicking **▶ Play**, then click the **♥ +** button to add the station to an existing or new Favorites group (e.g. Electro). After the next update of your DR440i's Internet radio database, the station will appear in the Favorites list under the group name (groups can only be created in the web interface).

You can also manage Favorites without a web browser:



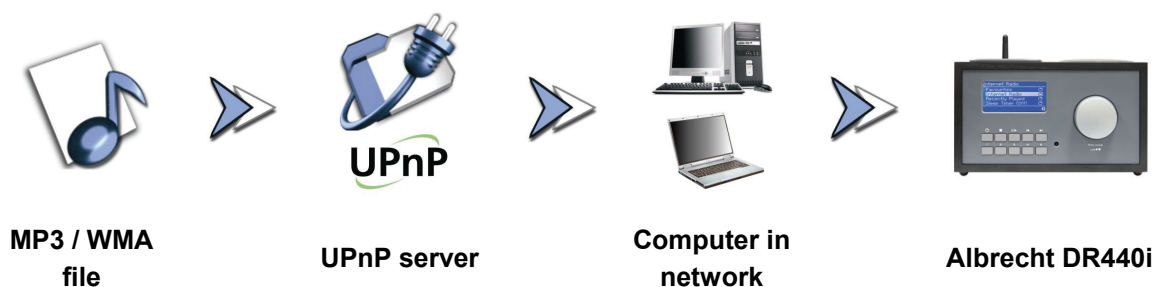
It doesn't matter whether you are listening to an individual song, radio station or playlist—simply press **☑** to add anything that's currently playing to your Favorites. To remove an item from your Favorites, press—

☐ ... you guessed it.

You can open the Favorites list at any time quickly and easily by pressing the **😊** button.

Tip: The presets are available as well as the Favorites list, and while both work with files and radio stations, the idea is to use the presets rather for radio stations and the Favorites for individual tracks, albums and playlists.

7.4 Playing MP3/WMA files from the local network



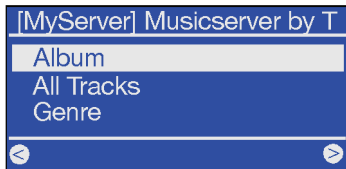
You can share music files for playback in your network using special server software running on a computer or other device. The DR440i requires an **UPnP-compatible** server to provide it with files. A simple Windows file share is not readable. Thanks to the included software, however, it will not be necessary for you to give up on the folder structure that you may have spent years setting up.

Unlike inflexible static file shares, the DR440i offers a flexible sorting via a virtual an UPnP media server that improves the flexibility of your collection—a track can be found via the artist, genre, album or the folder structure. And don't worry, “setting up a server” is not as much work as it was just a few short years ago. You can find many kind of UPnP software like **TwonkyVision** on internet.

One advantage: you can run multiple UPnP servers within the same network—no need for Dad to listen to Sis' tunes, and vice versa! Each active UPnP server appears separately in the DR440i menu for fast, easy access.



If you have a MusicServer running in your network, you'll be shown the main menu listing all available sources, including your server, when you press the  button. Following the default settings of the server software, the computer name or network ID of the computer on which the server is running will be displayed in parenthesis for the latter.



Navigate to the right and you will be shown this overview of available tracks.

The entries are generated by MusicServer based on the title information of the MP3 and WMA files.

The so-called **ID3 tags** of files in well-organized collections contain information about the artist, album, title, genre, year released and so on. The display may look completely different when using a different UPnP server application, as this data is only received by the DR440i, not generated by it.

If you use the TwonkyVision MusicServer, the following selections will be available:

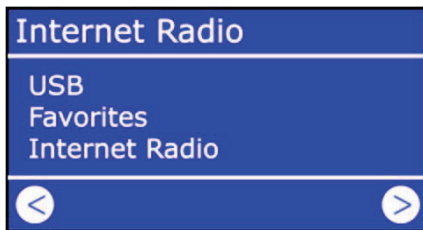
- Albums** Contains a list of all available albums in the library.
- All Tracks** Here you can find a list of all of the tracks available on the server. Shuffling really comes into its own here.
- Genre** Blues, Pop, Funk and Soul are possible genre entries. Select a genre to display a list of all tracks of the genre.
- Genre Index** The genres are sorted alphabetically here: ABC, EFG etc.—for B as in Blues...
- Genre/Artist** Once you have selected a genre, choose an artist to narrow the selection down further.
- Artist** Select your music by artist.
- Artist Index** Artists are presorted here in name groups: ABC, EFG and so on.
- Artist Albums** The album selection will be shown after you choose an artist.
- Year/Artist** Select the year first, then the artist—who would have thought that you have tracks THAT old in your collection?!
- Folder** Use this option to navigate directly in the file system. In other words, folder and file names will be displayed instead of title information (ID tag entries).

Tip: if you are not happy with the other display options, you can naturally create and use your own system by intelligently renaming the folders and files!
- Playlists** Here you have access to stored playlists. In other words, all found *.m3u files or other files containing playlists will be available here.

The “Last Played” entry selects the last playlist used, while “Most Played” selects the list most played since the server was set up.

For further navigation, use the usual buttons on the remote control. Once you've reached the item you were looking for, just press Play, and after a brief moment to fill the DR440i cache, off you go. Press and hold the navigation buttons when scrolling through long lists to enlarge the navigation increments. We would also like to once again point out the search function, too!

7.5 Playback from a USB storage device



An entry for the USB storage media will appear in the main folder of the DR440i whenever a compatible USB storage device is connected. Selecting this entry will display a selection of compatible partitions. If only one is available, "Volume 1" is all that will be shown. Once you have made your selection, the folder structure will be displayed 1:1. Next, use the usual navigation to select and play a track.

When connecting a USB hard drive, it may take a moment or two for the DR440i to read the folder tree. After that, the navigation should work as usual.

Requirements for the mass storage device

The DR440i supports all normal external hard disks and USB sticks, if they can be identified as USB mass storage devices. You can check this quite easily by connecting the device to a conventional PC or Mac. If the device appears as a "USB Mass Storage Device" in the Windows Device Manager, by lsusb under Linux or the Profiler on the Mac, it can also be operated on the DR440i.

It is very important to note, however, that the storage medium must be formatted for FAT32. All other formats, such as ext2, Reiser, HPFS, NTFS or Mac OS Extended are not recognized by the DR440i. **We deliberately chose FAT32 in preference to the many other data carrier formats because it effectively represents the "least common denominator" of file systems, which can be read and written under all operating systems.**

To put all misconceptions about FAT32 to rest once and for all: FAT32 can manage larger volumes than 32 GB (in fact up to 4 TB), and is perfectly viable as a simple, frequently implemented file system. It is particularly useful when interoperability among as many operating systems as possible is required.

Formatting FAT32 Volumes

FAT32 partitions can be created under almost all operating systems with utilities. The only exception is the FAT's home platform, Windows, which has had an artificially set maximum FAT partition size since the 2000 version.

7.6 Playback from your iPod



In order to use your iPod with the DR440i, please carry out the instructions on p. 6 first as preparation.

As soon as an iPod insert has been inserted in the recess on the top of the device, you can start.

Simply engage the iPod (it must be firmly seated and contact the connector properly)—this can be done while it is switched on or off—and if the iPod is switched on, a new item appears immediately in the main menu with the name of your iPod.

On the iPod display itself, a check should appear, confirming that the iPod and the DR440i have now been connected. Incidentally, while the iPod is connected to your

DR440i, you can't use the iPod controls directly any more, and you don't need to—that would also be much too complicated with the remote! Just use the remote control instead, or the buttons on the DR440i in the same way you've learned from other areas of the DR440i menus.

Pressing the Right button takes you from the main menu to the view of your iPod contents, which may be displayed slightly differently depending on your model and the way you have set it up. You can now call your audio contents directly from the iPod presorted by artist, by type of music or other criteria for example, and play them back through the connected loudspeakers or headphones.

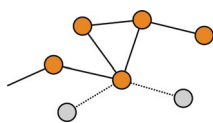
If you are not using your iPod at any particular time, it will also be charged automatically. So you

can happily keep your cherished iPod permanently perched on the DR440i, so that it will always be ready for use on the move or present and ready for local playback via the DR440i! Even when the DR440i itself is not switched on, you can always count on a fully charged power supply—and you can see this because the check mark should still appear in the iPod display even when the DR440i is switched off.

Appendix

A - Known issues

1. Wired connection (LAN)



As you may already know from other wired network devices, establishing a link essentially just involves plugging in the cable. Please ensure that a sound physical connection is present (**left LED lit orange**). If that is the case and a connection is still not available, then the problem will be either the settings of your gateway (the computer in your network that manages the connection to the Internet) or those of your router. As is often the case in life, it helps to be on good terms with your favorite administrator.

2. No radio link between the server and DR440i

Troubleshooting may prove somewhat more involved in this case, and so we would like to refer you to the detailed manual for further information. Here is a brief checklist as initial assistance:

✓ **Is the music server running correctly?**

Are all of the configuration files correct and does the server appear in the Processes list (CTRL + SHIFT+ ESC)? If it is not listed, check your server-side configuration.

✓ **Is there a conflict with your filter or firewall rules?**

The firewall can be disabled completely as an extreme measure when running Windows, or its functionality should not be extended to cover the DR440i. Disabling it briefly for the test can be useful when hunting down the problem.

✓ **Is any form of communication with the DR440i possible?**

A ping to the DR440i's IP address as described above will clarify this question. If the DR440i doesn't respond to your ping, it certainly won't be able to communicate via UPnP. If you are not successful here, then you have a different network problem which can range from a typo in the encryption key to massive configuration errors.

3. The connection fails after several minutes

This points toward one of the small peculiarities of the UPnP standard. The useful communication begins on one of 1024 ports and changes regularly during operation. Not all firewall applications recognize this knocking on various doors as a continuous connection. Depending on its configuration, the firewall may decide not to ask the unknown visitor in.

Depending on the firewall application, the following actions will solve the problem:

- Specifying the DR440i (with a static IP) as a so-called trusted host, i.e. a device whose communication is guaranteed not to be malicious.
- Allow the server to communicate with the DR440i on ports 1024-65535.
- Activate an exception for "UPnP Framework" in the Windows XP firewall, or set other firewalls to allow UPnP communication.

B - FAQ – Other questions and solutions

The DR440i finds my access point, but not my computer.

- Please ensure that an UPnP server is installed on your system and that this is enabled. Depending on the distance and software, it may take several seconds before your selection is listed in the DR440i.
- You may have MAC address filtering enabled in your router. If so, enter the MAC address of the DR440i in your router configuration. The address can be found on the bottom of the DR440i.
- Your router may be configured to use fixed IPs. If so, enter an IP address in both the DR440i and your router.

My access point (SSID) is not listed.

- The DR440i can only find your access point if it is within range. Reduce the distance to the access point and try again.
- Depending on the configuration of your router, your SSID may be hidden. If so, you must enter the SSID in the DR440i configuration menu manually.

My DR440i sees several unknown access points.

If multiple access points are within range—those of your neighbors, for example—the DR440i will list them.

Select your own access point and continue with the installation.

My DR440i indicates that my network is encrypted.

Your network uses WEP encryption as protection against intruders. Enter your WEP key in the DR440i so that your network will recognize it as a user.

Where can I find my WEP key?

If you set the network up, you will have specified it yourself. Otherwise, contact your network administrator.

I can't receive radio streams, or the update fails.

- Your network may be using a proxy server that you have not entered in the configuration of your DR440i.
- You cannot connect to the Internet. Your router must be configured so that you can establish a connection to the Internet.
- If you are using the DR440i with an ad hoc connection, your local computer must be connected to the Internet and must have Internet connection sharing enabled.

I'm playing a music file, but I can't hear anything.

Either the DR440i is muted, or the volume is so low that you can't hear anything. Turn up the volume and/or press the Mute button. Ensure that the connected stereo or speaker system is powered up.

The radio stream is interrupted suddenly.

You may have a throughput problem with your Internet connection. Sometimes the problem is also with the station itself. Switch to a different station and try again.

Playback stops abruptly.

This may be due to a communication problem. It can be the result of radio interference, being out of range,

or problems with your server or router. Reboot your system and try again.

My computer/ DR440i has found an unknown ad hoc network.

An additional ad hoc network is in operation in your vicinity. Should you have problems with your configuration, please ensure that the option to automatically connect with non-preferred networks is disabled in the network settings. Disable and re-enable your network connection.

My computer cannot be found when switching from ad hoc to network mode (or back).

Restart the music server and your DR440i. Your computer will then be recognized again.

How can I make subsequent changes to my configurations?

Press the network button on your remote control to open the configuration menu, in which you can modify a wide range of settings.

How should I proceed with a manual IP configuration?

Press the "Network" button to open the configuration menu. Launch the wizard, select "Next" and select your access point as usual. The "Static IP address" option must be selected in the IP settings. In the next step, enter the IP address. Finish the setup with the proxy settings as usual and apply them.

Can I check all of my settings?

Yes, by selecting "Status" in the configuration menu. The full range of information and settings related to your current configuration is displayed here.

I would like to set up another profile for a different location. Is that possible?

Yes, the "Profile selection" item is located in the configuration menu. You can create three personal profiles here that will be stored in the DR440i and which can be selected whenever you need them.

What's the maximum range?

The range is around 300 m outdoor. Walls and furniture reduce the range significantly indoors. The weather and barometric pressure is a further factor. The alignment of the antenna of your access point or network adapter is also important. Taking all of these factors into account, a range of 30-100 m should be possible indoors.

Is the data communication truly secured? Does the DR440i represent a security risk for my network?

If your network is WPA-encrypted, data communication between it and the router will be just as secure as with any other client. The DR440i therefore does not represent a potential point of attack for hackers.

Is it possible to read or view other data on my hard drive?

No, the DR440i can only access data shared by the UPnP server. This is the sole route the DR440i can use for accessing your files, so nothing else on your computer will be visible or transferred.

Which communication standards does the DR440i support?

DR440i supports IEEE 802.11b networks at 11 Mbps as well as IEEE 802.11g at 54 Mbps.

What are the DR440i's power requirements?

The DR440i requires an operating voltage of +12V DC at 1500mA - which corresponds to the included power adaptor.

Is wireless data communication a health hazard?

Due to its very low power levels, WLAN data communication is less critical than the radiation from cellphones.

As it does with cellphone radiation, however, the density of the radiation and the nature of the room also play a role in this respect.

Annex D - Where to find service hints and documentation

Our technical documentation is updated regularly. You can download the latest versions of user manuals, technical documents and also the dual language original Declaration of Conformity, as well as service hints or FAQ's any time from our server under

<http://www.alan-albrecht.de>

If You should have a problem, please have a look to the service hints or frequently asked questions (FAQ) before You send Your PMR radio back to our service centre.

Annex E – CE Conformity and Disposal regulations for defective electronic items



CE Conformity: This device corresponds to the relevant European EU Directives and Technical harmonized standards. It is marked with the CE symbol. Technical documents and the latest Declaration of Conformity are available any time from our public download server <http://www.alan-albrecht.de>

Recycling: The European **WEEE Directive** does not any more allow to dispose any used electronic items via household trash bins. The local communities will provide containers for disposal of electronic waste. Please use these facilities, it will be Your contribution to proper recycling of electronic material, and it is free of charge for You!

Annex F - European 2 years warranty

The distributor, dealer or retail shop warrants to the original retail purchaser of this product that should this product or any part of it, under normal use and conditions, be proven defective in material or workmanship within 2 years from the date of original purchase, such defect(s) will be repaired or replaced with new or reconditioned product (at the company's option) without charge for parts and repair labor. To obtain repair or replacement within the terms of this warranty, the product is to be delivered with proof of warranty coverage (e.g. a copy of your bill of sale), specification of defect(s), to the distributor, dealer or his authorized repair centre.

The warranty does not apply to any product or part there of which, in the opinion of the company, has suffered or been damaged through alteration, improper installation, mishandling, misuse, neglect, accident, or by removal or defacement of the factory serial number/bar code label(s). The warranty does not apply to accessory parts or problems caused through not authorized or not recommended accessories like of the units like external power supplies and over voltage caused through external power supplies, light bulbs, broken antennas, broken or damaged acrylic glass windows and cabinet parts.

Please contact the dealer or person where You have purchased Your radio.

Annex G - Service address

Our repair service is located at:

***PST professional support technologies GmbH
Breitscheider Weg 117a
40885 Ratingen***

Our service hotline can be reached in Germany under 01805-012204 (14 Cent p. Minute, higher costs may be charged from mobile networks) or via e-mail under

alan-service@ps-tech.de

© 2008 - Alan Electronics GmbH

Daimlerstr. 1 k – D-63303 Dreieich

www.alan-electronics.de - www.albrecht-online.de